

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A sensor-equipped hub unit comprising:

a hub unit having a rotation-side raceway member for a wheel to be attached thereto, a fixed-side raceway member to be fixed to a vehicle body and rolling bodies arranged between the two raceway members, ~~and~~

~~a sensor device provided on the hub unit,~~

~~the sensor-equipped hub unit being characterized in that~~ a brake caliper ~~[[is]]~~ fastened to the fixed-side raceway member of the hub unit as an assembly, and

~~the sensor device having~~ a brake torque sensor provided on the fixed-side raceway member at a location such that the brake torque sensor is fixedly mounted with respect to the fixed-side raceway member.

Claim 2 (Currently Amended): A sensor-equipped hub unit according to claim 1, wherein the fixed-side raceway member has a caliper mount provided immovable with the fixed-side raceway member and extending radially outwardly thereof ~~and having, wherein the~~ brake caliper is attached to the caliper mount ~~thereto~~, and the brake torque sensor is provided at a base end of the caliper mount.

Claim 3 (Original): A sensor-equipped hub unit according to claim 2 wherein the brake torque sensor comprises a strain gauge.

Claim 4 (Original): A sensor-equipped hub unit according to claim 1 wherein the fixed-side raceway member is fixed to a knuckle arm on the vehicle body by a knuckle attaching flange provided on the fixed-side raceway member.

Claim 5 (Original): A sensor-equipped hub unit according to claim 4 wherein the caliper mount is a caliper mount arm integral with the fixed-side raceway member, and the brake caliper is attached to the arm.

Claim 6 (Original): A sensor-equipped hub unit according to claim 5 wherein the caliper mount arm is provided at the same position as the knuckle attaching flange with respect to the axial direction of the fixed-side raceway member.

Claim 7 (Original): A sensor-equipped hub unit according to claim 5 wherein the caliper mount arm is provided at a position different from that of the knuckle attaching flange with respect to the axial direction of the fixed-side raceway member.

Claim 8 (Original): A sensor-equipped hub unit according to claim 3 wherein the caliper mount comprises a flange integral with the fixed-side raceway member and a caliper mount member separate from the flange and fixed to the flange with a bolt, and the strain gauge is affixed to the flange of the fixed-side raceway member.

Claim 9 (Original): A sensor-equipped hub unit according to claim 8 wherein the fixed-side raceway member is fixed to a knuckle arm on the vehicle body by a knuckle attaching flange provided on the fixed-side raceway member, and the knuckle arm is fixed to the flange of the fixed-side raceway member with the same bolt as the caliper mount member.